



MSPC Advisory Circular

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF AIR PROGRAMS • MOBILE SOURCE POLLUTION CONTROL PROGRAM

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Subject: Submission of Information on Emission Control Systems of
Emission Data Vehicles

A. Purpose

The purpose of this Advisory Circular is to specify the data that light duty vehicle manufacturers are required to submit on the control systems of emission data vehicles in addition to that already required by individual letters written in response to 1973 model year Part I applications.

B. Background

40 CFR 85.55 (b) (1) (i) requires that emission data vehicles represent production vehicles. To assure that this provision is met, EPA has notified manufacturers in response to their submission of the Part I application that actual carburetor and distributor curves of emission data vehicles must be submitted with zero mile test results prior to the initiation of mileage accumulation. Currently carburetor flow curves and distributor curves are being submitted without an indication of what the engineering limits are for these curves. These engineering limits describe their subsequent production tolerances. Without this information, there is no assurance that the flow curves, advance curves, and other calibration on the emission data vehicles represent the mean values of the calibration incorporated in production vehicles. To assure that the calibrations on the emission data vehicles are representative of production vehicles, information in addition to that currently required is needed.

C. Applicability

The requirement for data in accordance with this Advisory Circular applies to all 1973 model year emission data vehicles. The requirements of this circular supercede the calibration data requirements listed in EPA's responses to 1973 model year Part I applications.

D. Requirements

Engineering limits of corresponding flow curves, advance curves, and calibrations of all components which constitute the Emission Control System are required to be submitted with the "0" mile emission data for each emission data vehicle and will be compared with production limits submitted with the Part II application. The control system components for which information shall be supplied are listed below. If the systems and devices listed under items 3,4,5, and 6 below are also present on the vehicle, a description of these systems and devices must be submitted along with their production limits and calibrations.

Emission Control System Components
for Which Information
Shall be Supplied

1. Carburetor
2. Distributor
3. Spark Control System
 - a. temperature lock-out device
 - b. speed lock-out
 - c. transmission control
 - d. vacuum control
 - e. any other spark control system
4. Exhaust Gas Recirculation System
 - a. control devices
 - b. lock-out devices
 - c. restrictors or orifices
5. Air Pumps
 - a. control devices
 - b. lock-out devices
 - c. restrictors
6. Positive Crankcase Ventilation Systems (flow characteristics of control valve).



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